

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005602**Date Inspected:** 18-Feb-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1945**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai ,China**CWI Name:** Luan Zhao Gang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Assembly**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector was present during the times noted above for observations relative to the work being performed.

Segment Repair Yard (South of the paint shop)

Segment 4AW

This QA Inspector performed Magnetic particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The members are identified as the deck plate to diaphragm welds. The Weld Designations are as follows:

DP065-001-029, 32, 34, 35, 36, 66, 68, 69, 71, 72, and 74.

DP066-001-029, 31, 32, 34, 35, 36, 74, 76, 77, 79, and 80.

DP067-001-029, 31, 32, 34, 35, 36, 38, 74, 76, 77, 79, 80, and 82.

DP025-001-016, 19, 21, 22, 23, 44, 46, 47, 49, and 50.

DP027-001-020, 23, 25, 26, 27, 29, 66, 68, 69, 71, 72, and 74.

DP028-001-016, 44, 46, 47, 49, 50, and 52.

DP068-001-029, 32, 34, 35, 36, 38, 74, 76, 77, 79, 80 and 82.

DP068-001-029, 32, 34, 35, 36, 38, 74, 76, 77, 79, 80 and 82.

DP026-002-018, 20, 21, 24, 25, and 27.

DP026-002-055, 57, 58, 60, 61, 63

This QA Inspector performed Magnetic particle testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (MT) report for this date. The

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

members are identified as the corner assembly welds. The Weld Designations are as follows:

CA007-007, 010, 011, 014, 021, 022, 025, 026, 033, 034, 037, 038, 45, 46, 57, 58, and 61.

CSD2-PP25.5-009, 013, 19, 25, 33, and 37.

CSD2-PP25-001, 009, 011, 025, 027, 031, 041, 045, and 049.

CSD2-PP24.5-005, 009, 011, 019, 025, 029, and 037.

CSD2-PP24-067, 069, 071, 073, 085, 087, 089, 91, 101, 103, 107, 109, and 137.

CA009-007, 010, 011, 014, 021, 023, 025, 026, 033, 035, 037, 045, 047, 049, 057, 059 and 061.

CSD6-PP25-005, 007, 009, 011, 025, 039, 41, 045, 049, 055, 057, and 059.

CSD6-PP24-003, 005, 011, 023, 027, 031, 41, 043, 045, and 047.

CSD6-PP25.5-085, 089, 097, 105, 121.

CSD6-PP24.5-115, 117 and 121.

This QA Inspector performed a preliminary random visual inspection of this segment. Areas that were marked to be ground and welded were repaired at the time of inspection.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No Relevant conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, (15000422372), who represents the Office of Structural Materials for your project.

| | |
|----------------------|------------------|
| Inspected By: | Patterson,Rodney |
| Reviewed By: | Carreon,Albert |

Quality Assurance Inspector

QA Reviewer